

FIG. 1

(PRIOR ART)

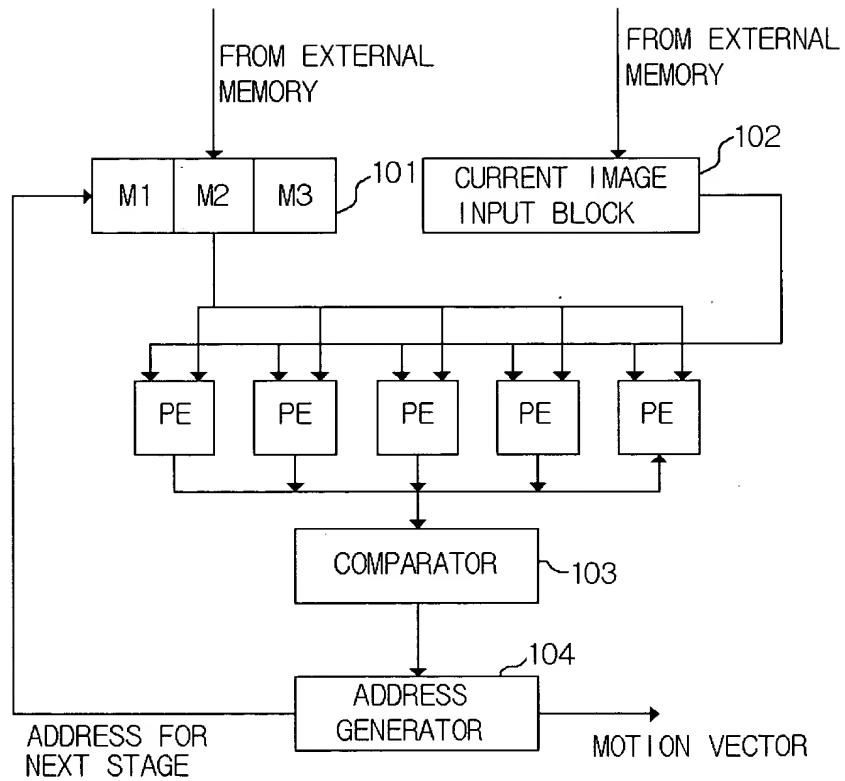


FIG. 2

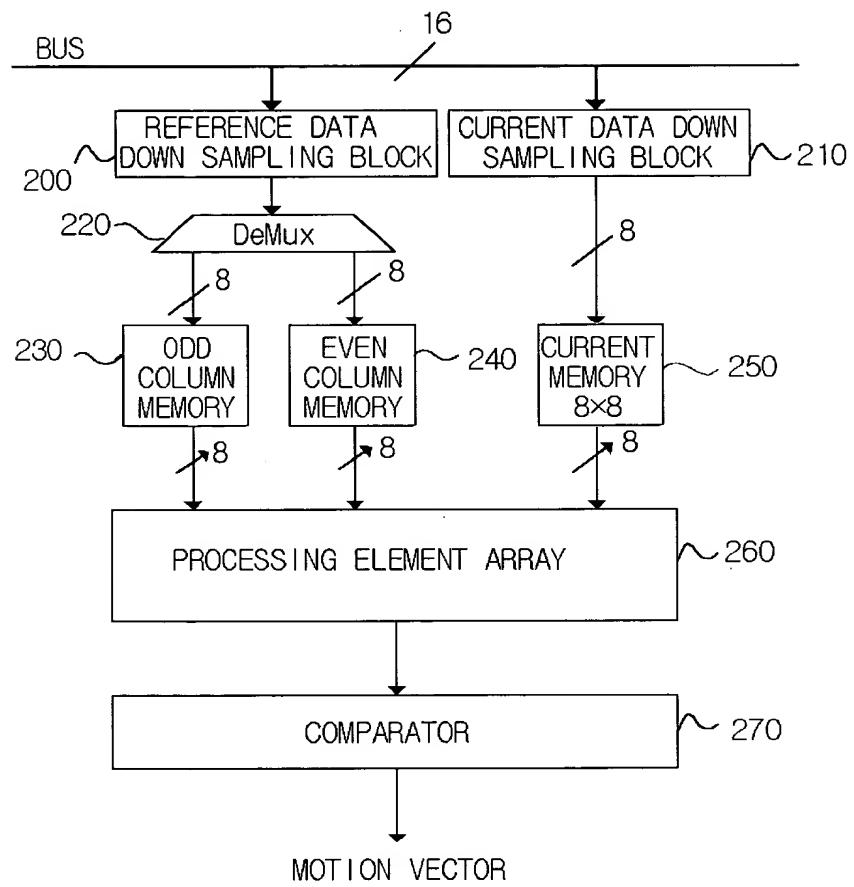
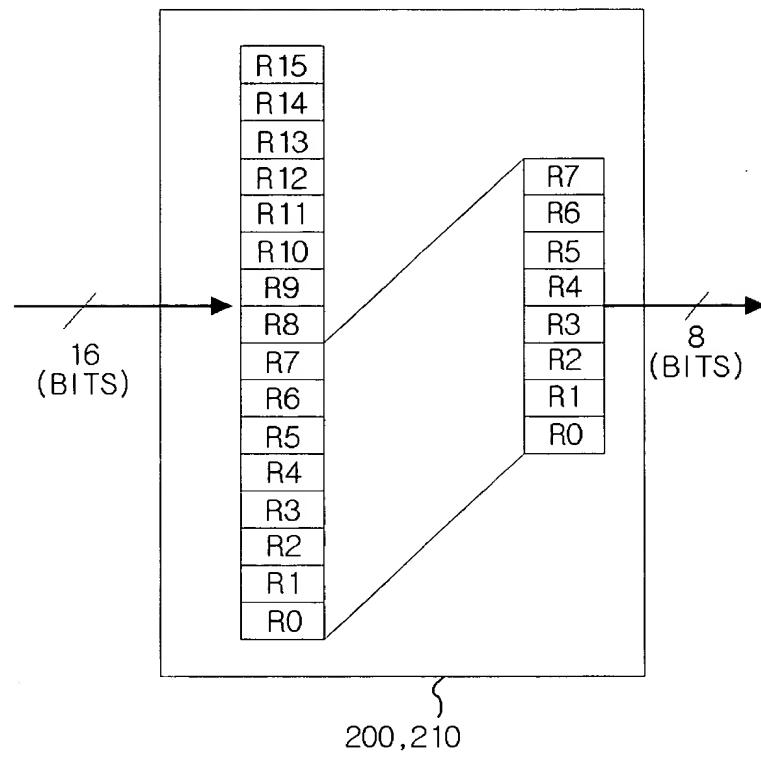


FIG. 3

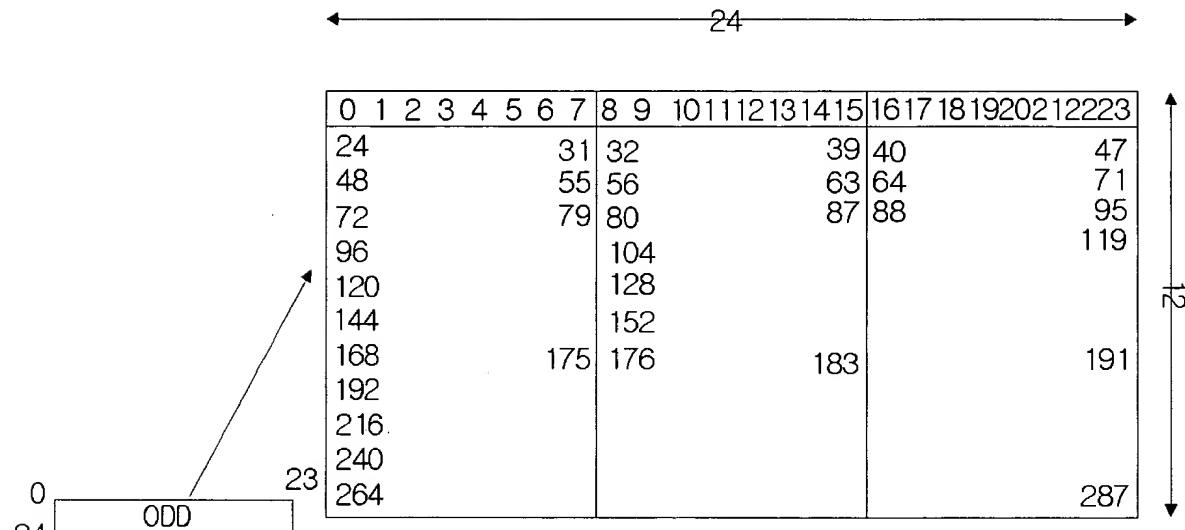
REFERENCE AND CURRENT DATA DOWN SAMPLING



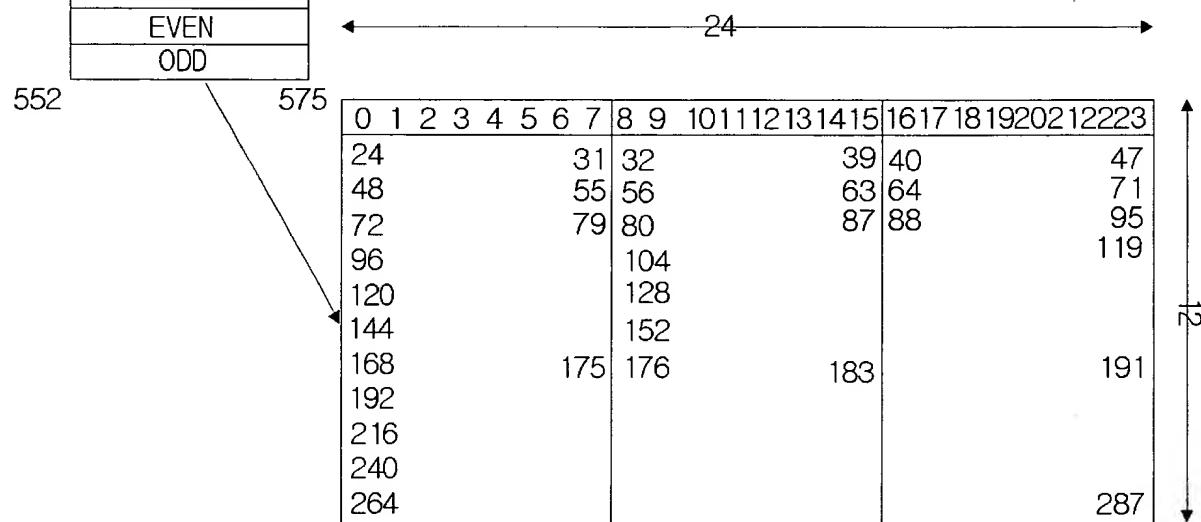
09694153-043004

FIG. 4

SEARCH MEMORY ADDRESS ODD MAPPING

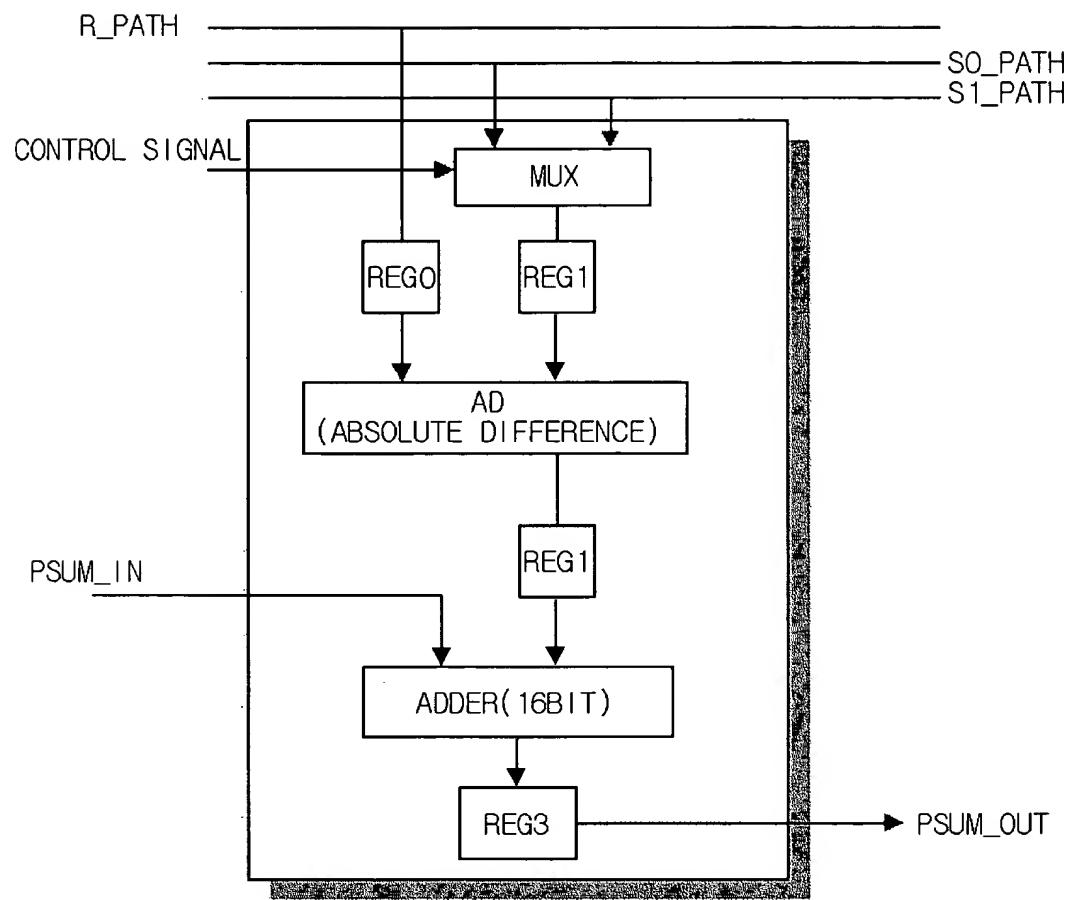


SEARCH MEMORY ADDRESS EVEN MAPPING



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FIG. 5A



00000000000000000000000000000000

FIG. 5B

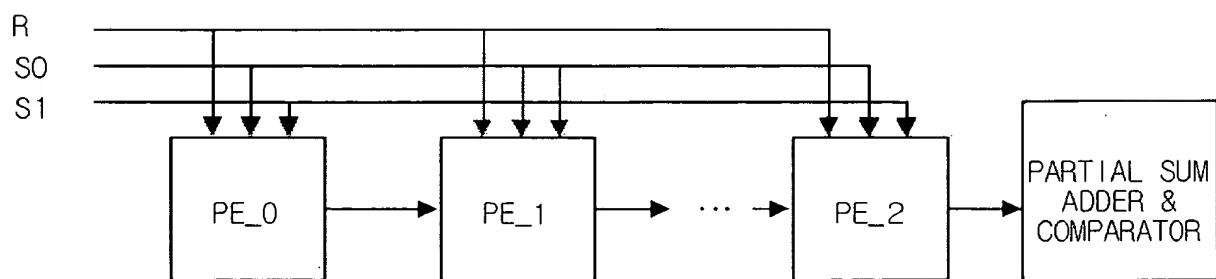


FIG. 6

QCIF(11x9)
SEARCH REGION MEMORY WRITE MAP
PREFPELINE "A" WRITE, (0,0) PIPELINE "B" WRITE, OTHERS "C" WRITE
READ A->B->C

	0	1	2	3	4	5	6	7	8	9	10	NEXT ROW WRITE
0	A B C	A B C	C A B	B C A	A B C	C A B	B C A	A B C	C A B	B C A	A B C	
1	B C A	B C A	A B C	C A B	B C A	A B C	C A B	B C A	A B C	C A B	B C A	
2	C A B	C A B	B C A	A B C	C A B	B C A	A B C	C A B	B C A	A B C	C A B	
3	A B C	A B C	C A B	B C A	A B C	C A B	B C A	A B C	C A B	B C A	A B C	
4	B C A	B C A	A B C	C A B	B C A	A B C	C A B	B C A	A B C	C A B	B C A	
5	C A B	C A B	B C A	A B C	C A B	B C A	A B C	C A B	B C A	A B C	C A B	
6	A B C	A B C	C A B	B C A	A B C	C A B	B C A	A B C	C A B	B C A	A B C	
7	B C A	B C A	A B C	C A B	B C A	A B C	C A B	B C A	A B C	C A B	B C A	
8	C A B	C A B	B C A	A B C	C A B	B C A	A B C	C A B	B C A	A B C	C A B	

FIG. 7

